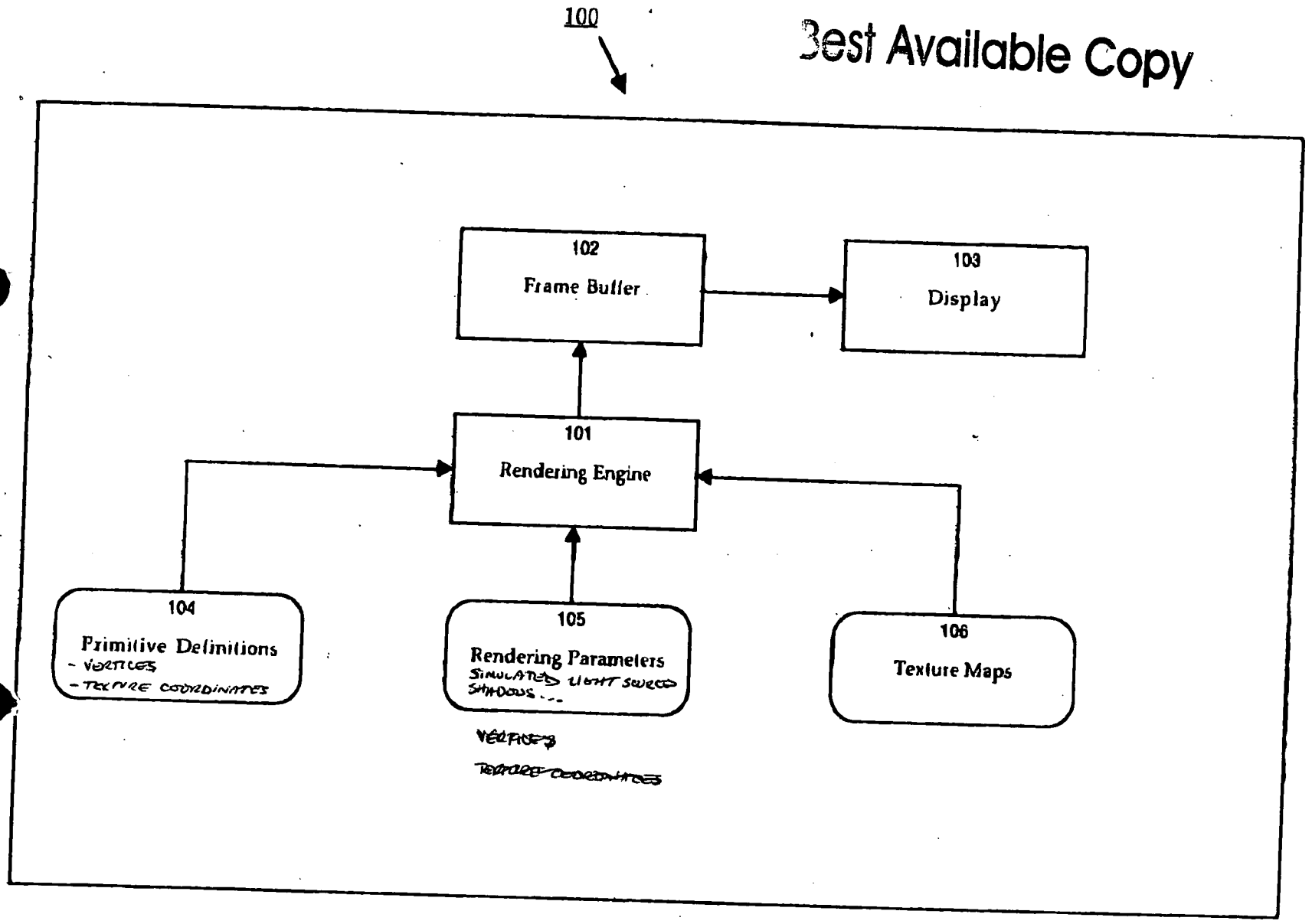
Best Available Copy



... OF GRAPHICS SYSTEM

FIGURE 1

08504284

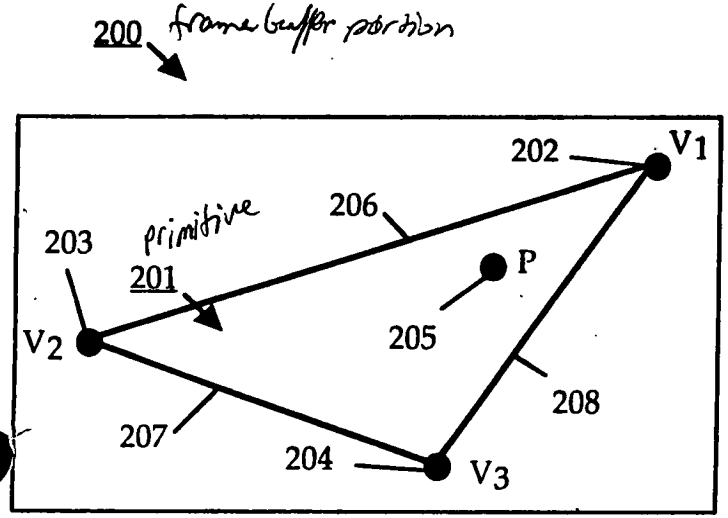


FIG. 2A

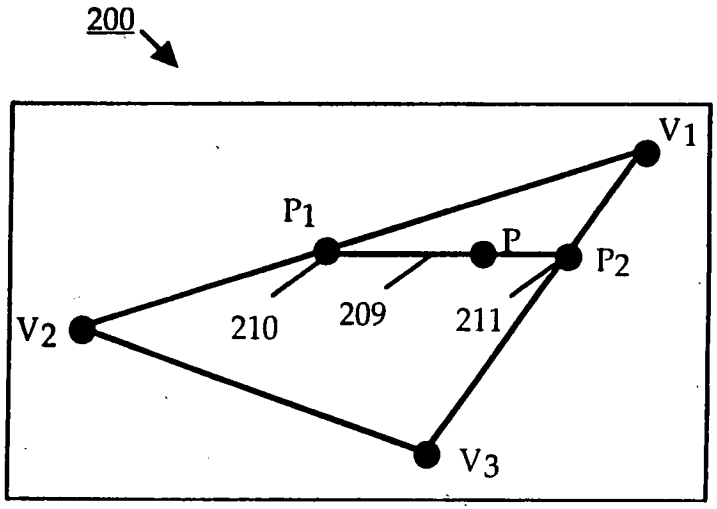


FIG. 2B

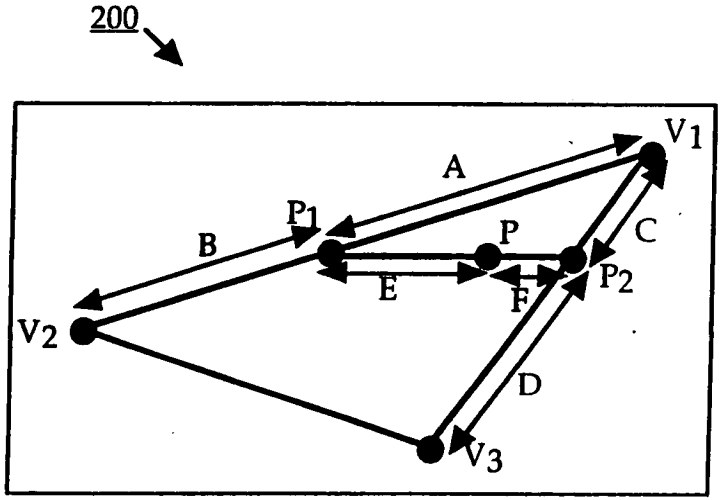


FIG. 2C

09371972.091099

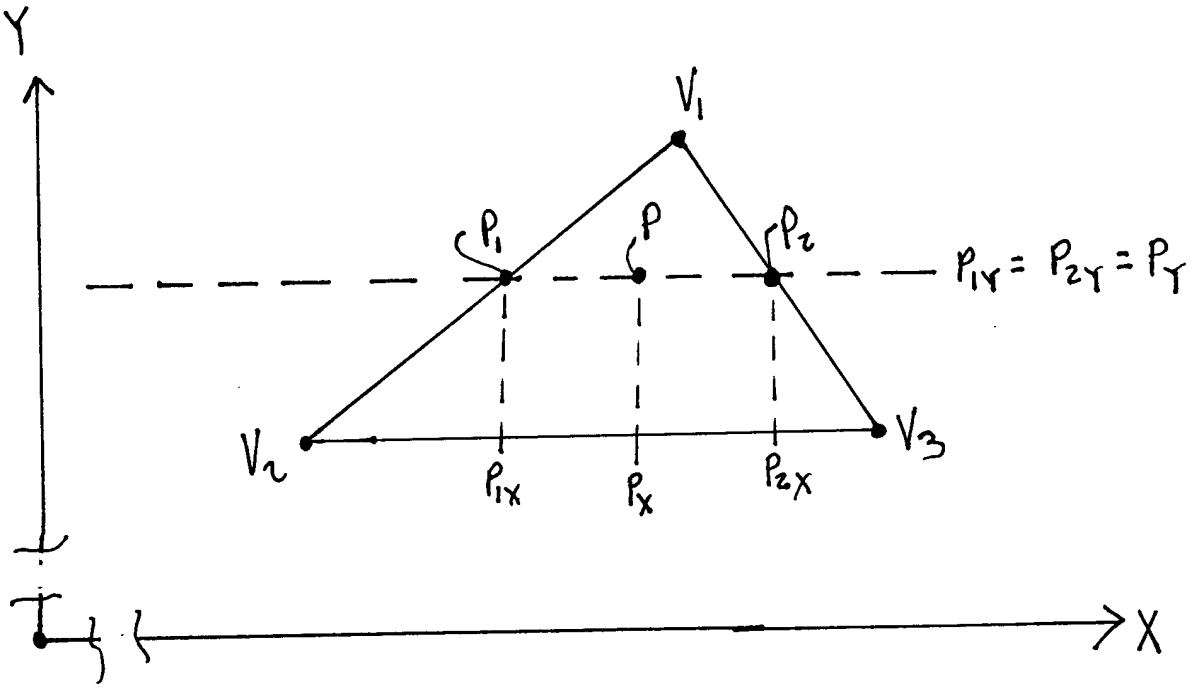
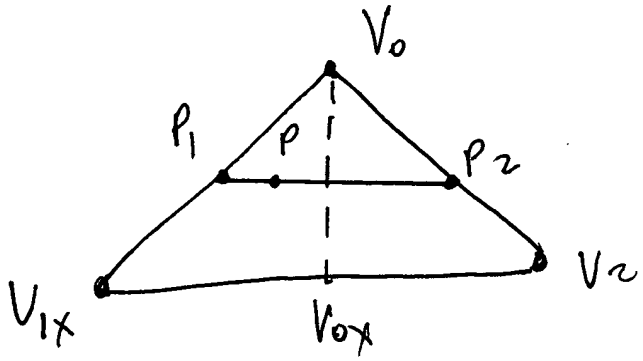
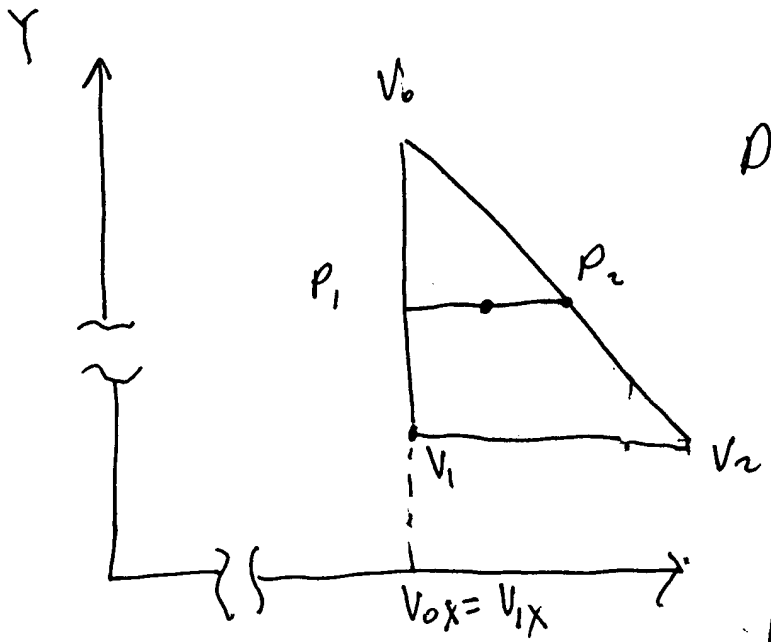


Fig. 2D



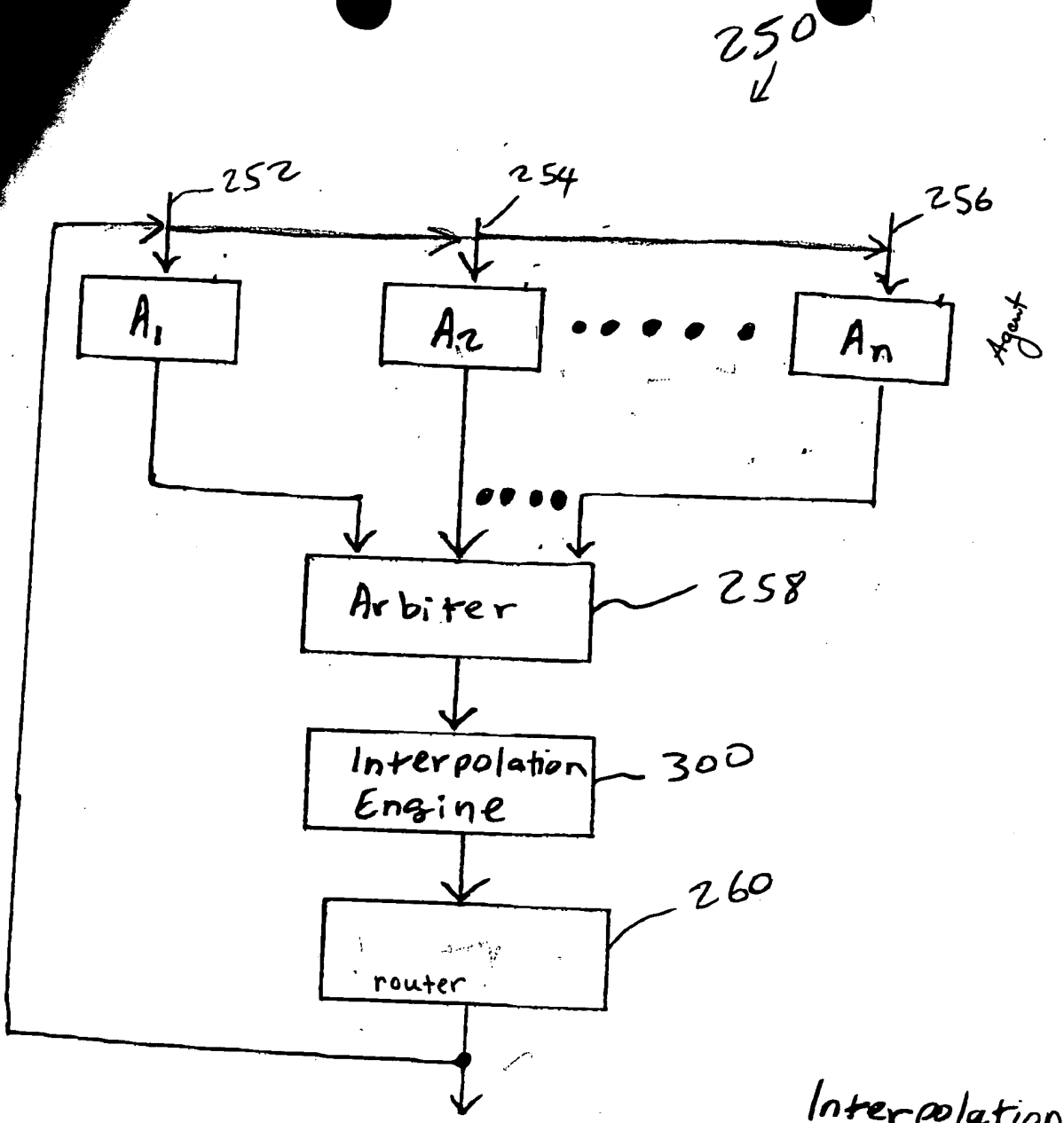
Non-DEGEN case
i.e., $X_1 - X_0 \neq 0$

Fig. ~~2D~~ 2E



DEGEN Case

Fig. 2F



Interpolation System

A_1 = Pixel Calc unit

A_2 = Span Set up unit

Fig. 3

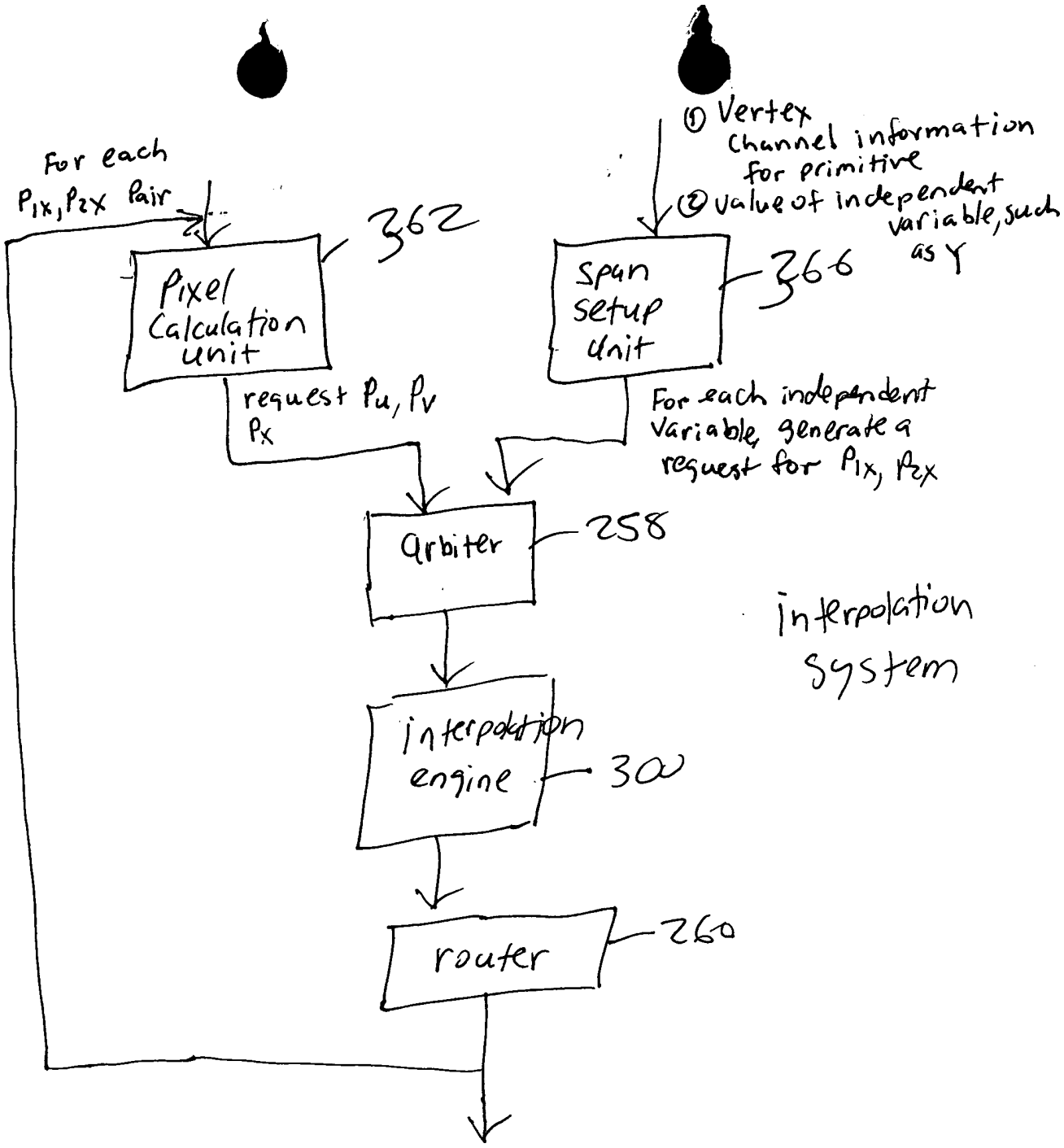


Fig. 4

Docket No. 50277-2000

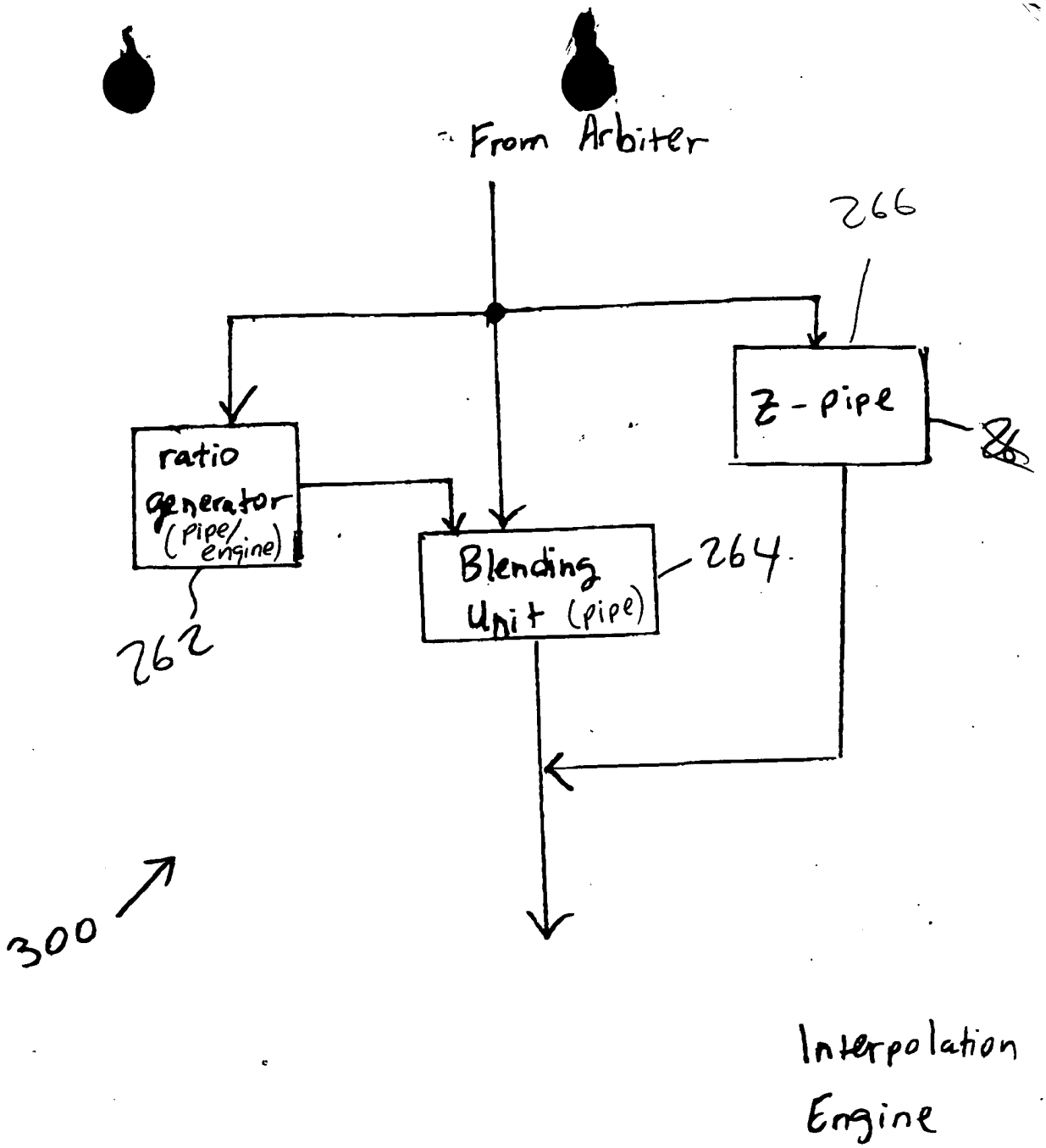

From Arbiter
266
Z-pipe
ratio generator (pipe/engine)
Blending Unit (pipe)
264
262
300
Interpolation Engine

Fig. 5

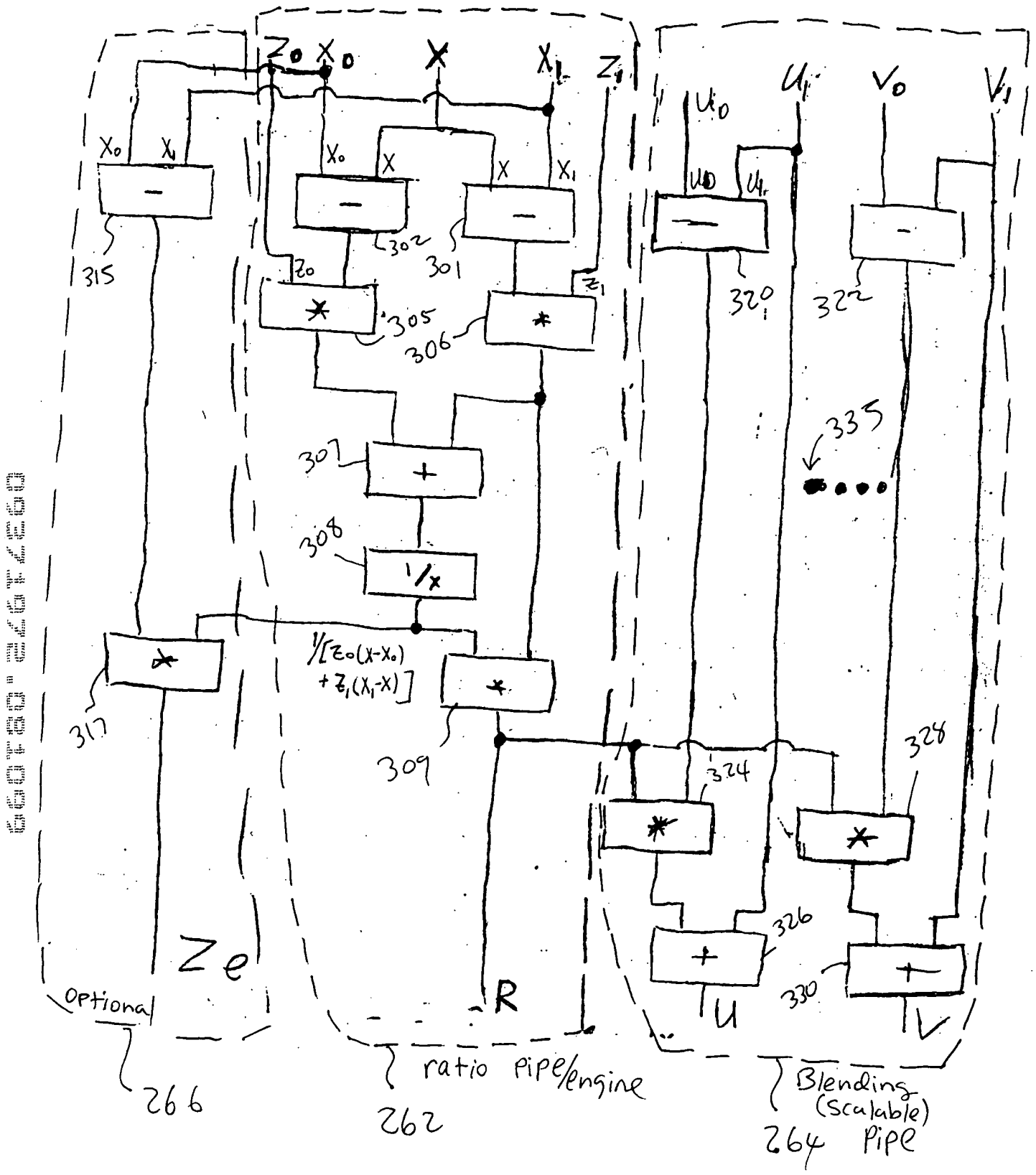

Z0 X0 X X1 Z1
U0 U1 V0 V1
X0 X1
315
302
301
305
306
307
308
1/x
317
309
320
322
335
324
328
326
330
Ze
R
U
V
Optional
266
ratio pipe/engine
262
Blending (Scalable)
264 Pipe
1/[Z0(X-X0) + Z1(X1-X)]
RV0 + (1-R)V1

Fig. 6

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